

## Patent Abstracts of Japan

PUBLICATION NUMBER : 58108939  
 PUBLICATION DATE : 29-06-83

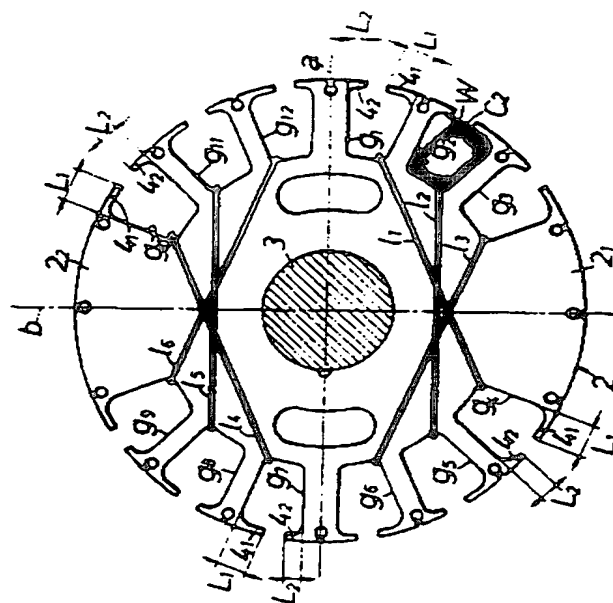
APPLICATION DATE : 29-01-82  
 APPLICATION NUMBER : 57012760

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INT.CL. : H02K 3/48 H02K 1/26

TITLE : CYLINDRICAL ROTOR FOR ROTARY  
 ELECTRIC MACHINE



ABSTRACT : PURPOSE: To increase the conductor space factor by forming the inward flanges at the opposite edges of openings of the specific coil holding grooves, thereby preventing the conductor from being removed from the groove.

CONSTITUTION: A cylindrical rotor has a cylindrical field core 2, a plurality of field coils wound in a plurality of coil holding grooves  $g_1$ - $g_{12}$  formed radially on the outer peripheral surface of the core 2, and a rotor shaft 3 engaged with the core 2. Inward flanges  $4_1$ ,  $4_2$  are respectively formed at the edges of the opposite openings of two coil holding grooves such as coil holding grooves  $g_1$ ,  $g_4$  for holding the common field coil, and the projecting length  $L_1$  of the flange  $4_1$  disposed at the smaller arcuate side of the circumference of the core 2 is formed longer than that  $L_2$  of the inward flange  $4_2$  disposed at the larger arcuate side. The inward flanges  $4_1$ ,  $4_2$  of the same shape are also formed at the edge of the opposite openings of the two coil holding grooves for holding the other field coil.

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